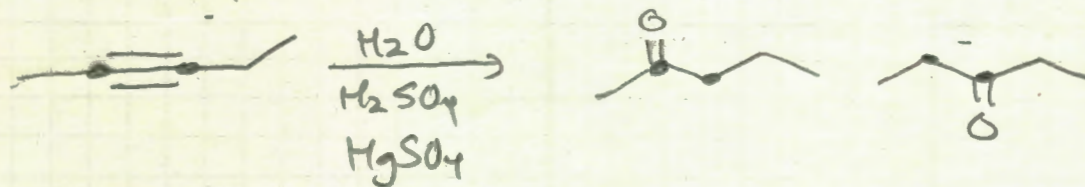
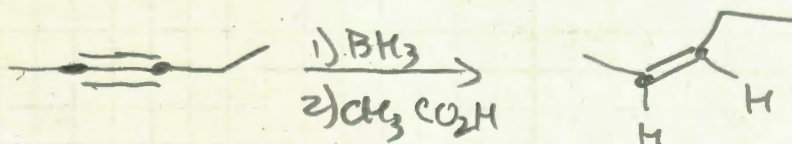


Review and Oversight.

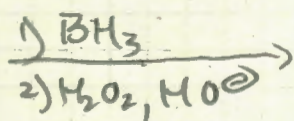
Alkyne Hydration (We covered this)



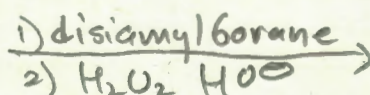
I covered with borane, the following



but forgot to cover

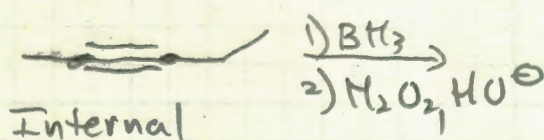


and



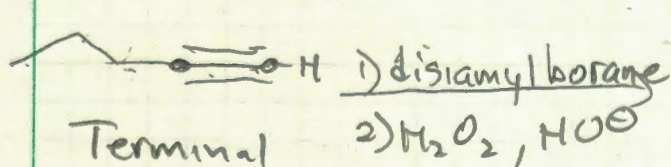
"Bees and Hoes"

Internal Alkynes

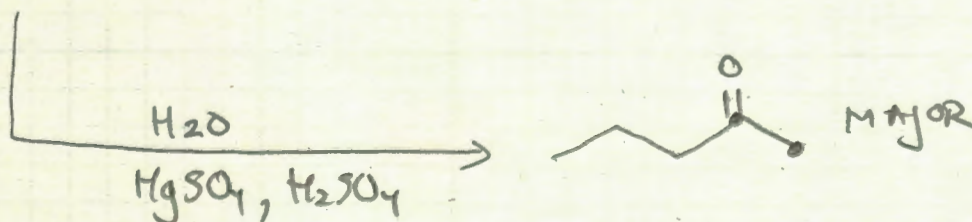


Internal

Terminal Alkynes



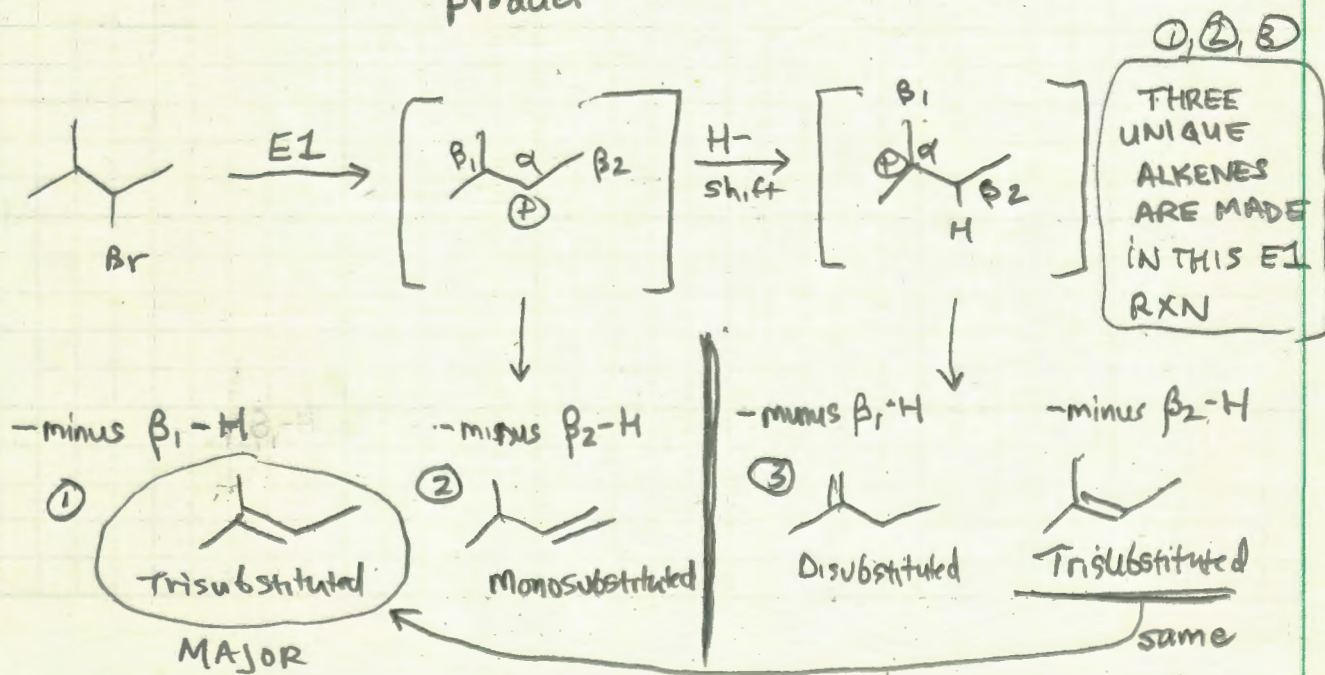
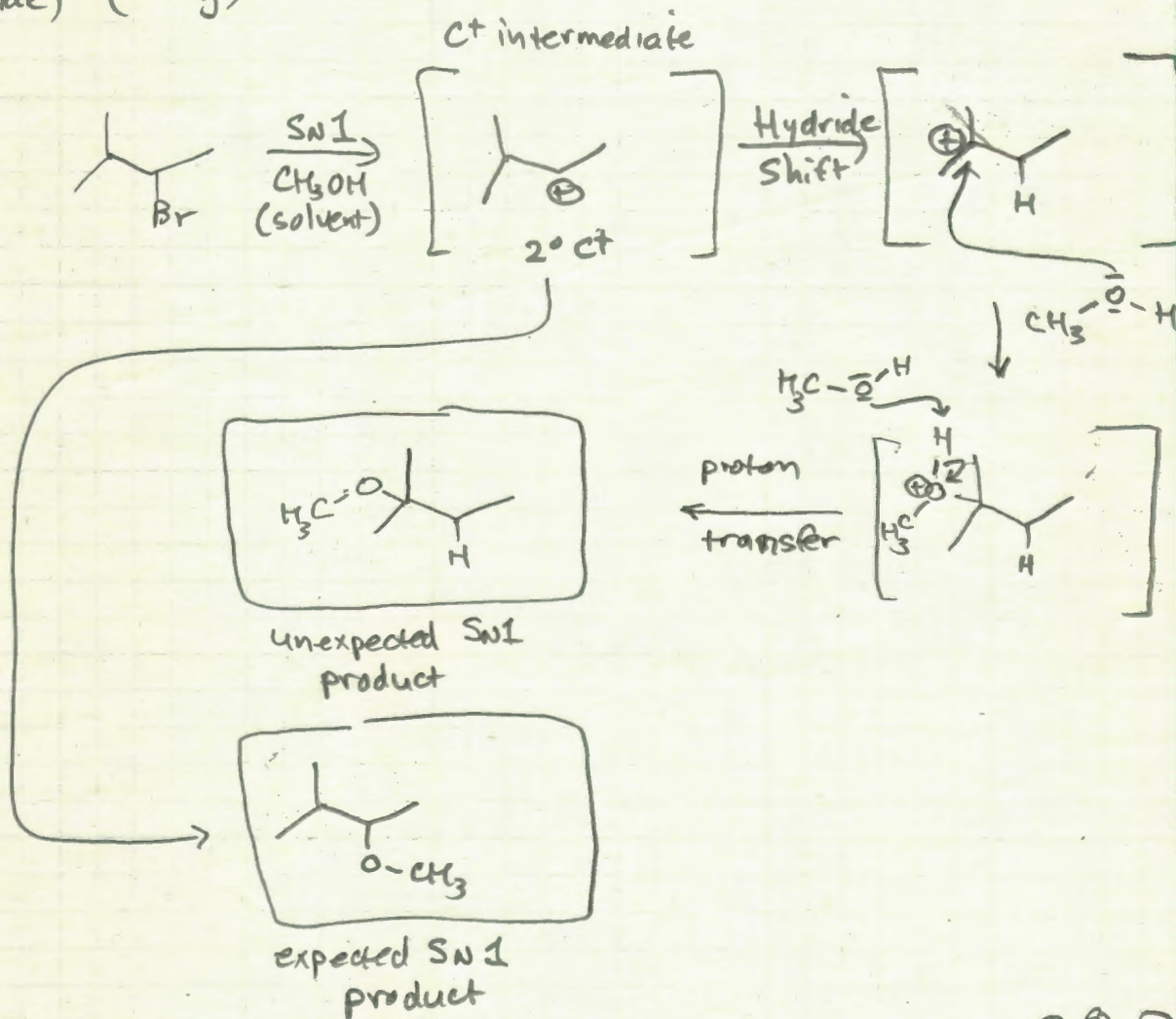
Terminal

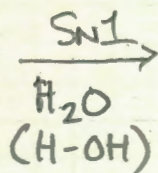
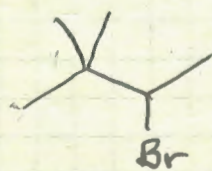


SN1

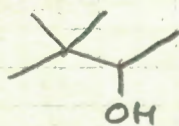
Since SN1 and E1 mechanism course through a carbocation in the rate limiting step, one must be aware of potential

H⁺ and CH₃ shifts
(hydride) (methyl)

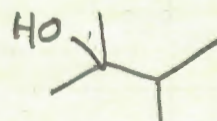
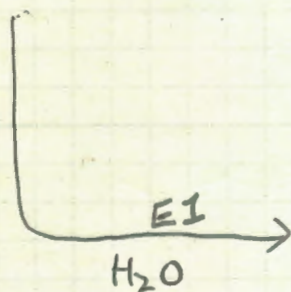




Expected product



Unexpected Prod.

after 1,2-methyl
Shift

Expected E1 prod



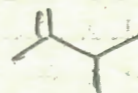
Unexpected E1 Prod



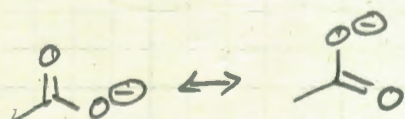
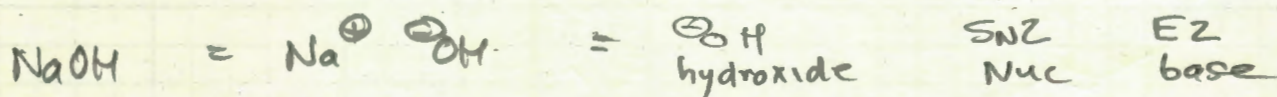
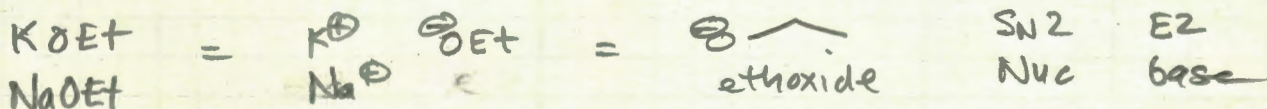
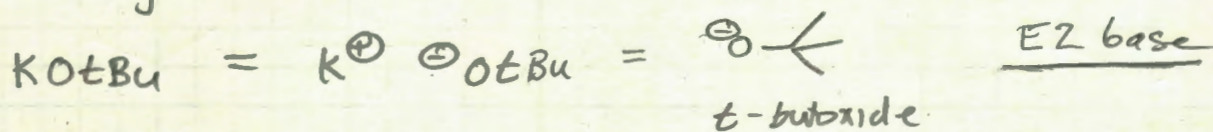
MAJOR

after 1,2-CH₃
Shift

MINOR

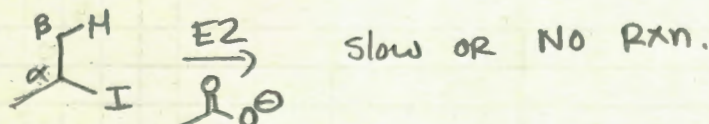
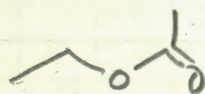
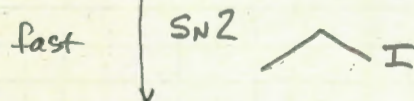


"Glossary"



yes, there's a negative charge, but it's delocalized.

(-) charge makes SN2 Nuc but NOT good E2 base



not basic enough to pull of $\beta\text{-H}$

